

## **BOSSCOM Powerlink - Switch**

Stereo Audio Switch | Two Jacks |  
Automatic Switching | B&O<sup>®</sup>  
Compatible



### **Installation Guide**

## Contents

### Page

#### **3.....BOSSCOM DENMARK**

#### **4.....Examples of Use**

- I. Converting LF-Signals (stereo RCA) to standard-conforming B&O® Powerlink signals

#### **5.....Examples of Use**

- II. Feed-in of LF-Signals (stereo RCA) to B&O® Systems with automatic switching

#### **6.....Examples of Use**

- III. Dolby Surround setup for LOEWE® TV and B&O® Systems with automatic switching (with trigger signal)

#### **8.....Safety Instructions**

#### **9.....Connections**

- Front

#### **10.....Connections**

- Rear
- Left

#### **11.....Connections**

- Right side

#### **12.....Block Diagram**

#### **13.....Technical Data**

### 3. BOSSCOM

**BOSSCOM** The digital world of consumer electronics offers high-quality devices, technologically sophisticated devices, devices with great design and easy-to-use devices.  
 And there are a few devices that combine all these in one, to cater to all needs of the customer - like **BOSSCOM** devices of **ip media systems GmbH**.  
 This requires exploring new and unconventional ways and being able to rely on years of experience.

**BOSSCOM Powerlink Switch** Thank you for purchasing this automatic source-switch with 8-pin DIN and RCA jacks. The **BOSSCOM Powerlink-Switch** is 100% compatible with B&O® devices. This device provides you the solution to many problems of audio installations, such as feed-in of any audio sources to B&O® systems, connection of B&O® Speakers to the audio devices of other manufacturers, etc.  
 The examples shown in this guide represent only a small part of the many possible uses.

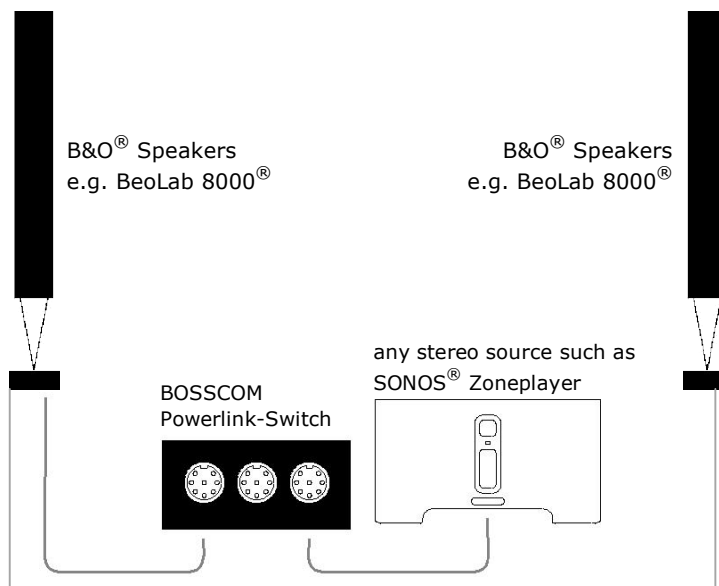
**BOSSCOM Wireless Powerlink** The **BOSSCOM WirelessPowerlink** System was especially developed for your B&O® and is the way of signal transmission from the system to the speakers, wherever a wired connection is not possible or simply too expensive. The transmitter of your B&O® TV and the receivers of the rear speakers, for example, are constantly connected - This means you can enjoy wireless surround sound in absolute CD quality. The automatic frequency change always guarantees the best possible transmission.

**BOSSCOM Receiver B&O® compatible** A digital receiver of **BOSSCOM** can be controlled with a Bang & Olufsen® remote control, such as the Beo4®. This makes the use of multiple remote controls a thing of the past. Our receivers can easily be integrated into the time-controlled programming of a Bang & Olufsen® system. The full integration into a Bang & Olufsen® link-system is possible without any problems. Image and sound of the receiver can thus be transported to other rooms, and the simultaneous full operation of the receiver from there is guaranteed.

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## 4. Examples of Use

### I. Converting LF-Signals (Stereo RCA) to Standard-Conforming B&O® Powerlink Signals



Connect any stereo source with an RCA cable to INPUT 1 of the **BOSSCOM Powerlink-Switch**, via the adapter cable (included) and use the device as a Powerlink converter.

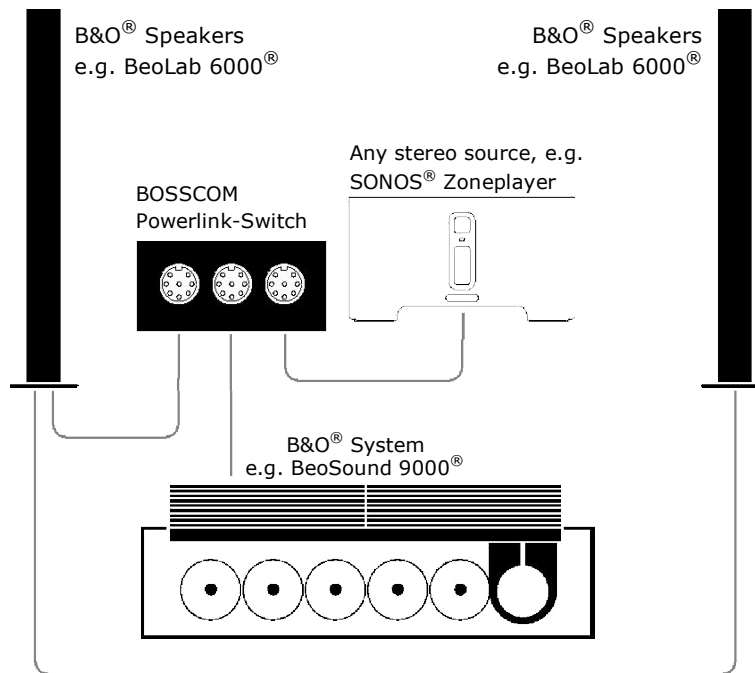
Once a low-frequency signal is present, a standard-conforming B&O® Powerlink signal (including switching signal) is sent.

If the source does not send a signal (e.g. it's turned off, or muted), an intelligent switch provides a delay of about 1 minute - only then will the Powerlink signal be switched off and the B&O® speakers will go into standby mode.

This is necessary for longer pauses in audio books for example and allows you sufficient time to select the next songs to be played from your music library.

## 5. Examples of Use

### II. Feed-in of LF-Signals (Stereo RCA) to B&O® Systems with Automatic Switching (without trigger signal)



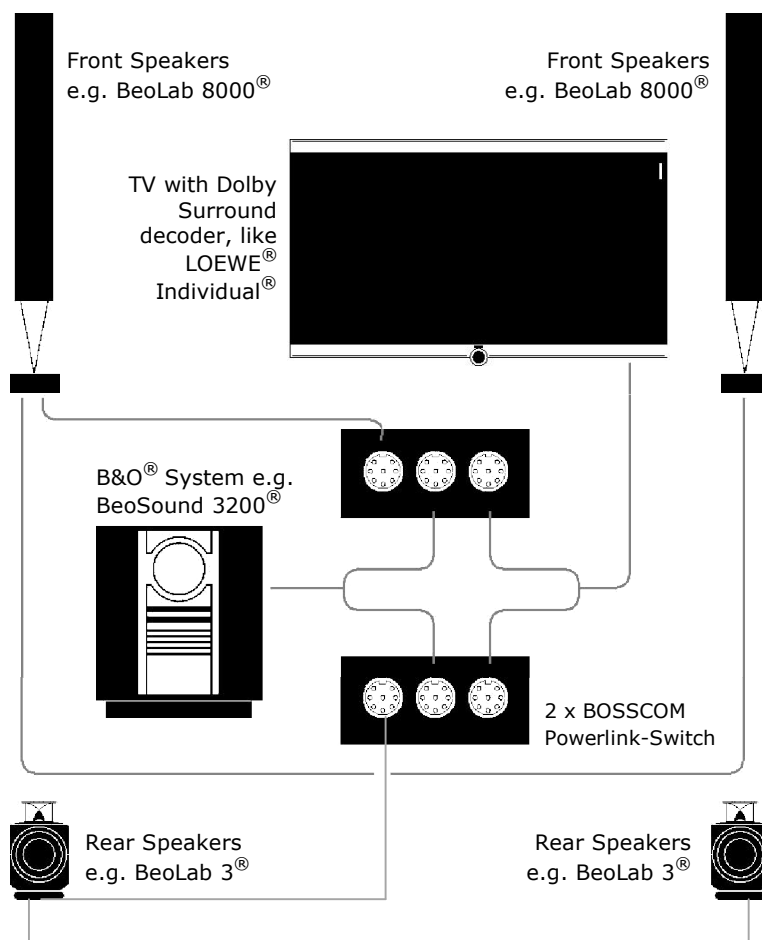
Interconnect the **BOSSCOM Powerlink-Switch** between your B&O® system and your B&O® speakers. Connect any stereo source with an RCA cable to INPUT 1 of the **BOSSCOM Powerlink-Switch**, via the adapter cable (included).

Once a low-frequency signal is present at INPUT 1, it is converted to a standard-conforming B&O® Powerlink signal (including switching signal); otherwise INPUT 2 (Powerlink) is passed through. CAUTION: If signals are present at both INPUT 1 and INPUT 2, INPUT 1 always has priority!

If the source does not send a signal to INPUT 1 (e.g. it's turned off, or muted), an intelligent switch provides a delay of about 1 minute - only then will the Powerlink signal be switched off and the B&O® speakers will go to standby mode, or INPUT 2 will be passed through (if a signal is present).

## 6. Examples of Use

### III. Dolby Surround Setup for LOEWE® TV and B&O® Systems with Automatic Switching (with trigger signal)



Use two BOSSCOM Powerlink switches and connect for example your LOEWE® TV to your B&O® system and your B&O® speakers. Connect the two front channels of your TV to the front speakers, via INPUT 1 of the first BOSSCOM Powerlink switch and the two rear channels to the two rear speakers, via the second BOSSCOM Powerlink switch.

## 7. Examples of Use

- III.** Your stereo source - in this example, a BeoSound 3200® - is going to be connected to INPUT 2 of both **BOSSCOM Powerlink switches**. You will need a Powerlink Y-cable.

You can also create a trigger level, by connecting the adapter cable (included) to each INPUT 1 of the **BOSSCOM Powerlink switch**, if the audio source provides such, like the LOEWE® TV in the example shown. The voltage must be provided to both BOSSCOM Powerlink switches with a Y-cable and the short circuit plug must be connected to the RCA cable with the description Trigger ON/OFF, of both adapter cables. The advantage of using the trigger level on INPUT 1 is that is the automatic switch to INPUT 2 is no longer initiated after a lag of about 1 minute without audio signal, but immediately when the trigger level is no longer present - this way you don't need to wait, to be able to listen to the audio source of INPUT 2.

In the example shown, you can enjoy Dolby Surround Sound for TV and Speaker-4 sound when listening to the audio system - and all this completely automatically. You do not need to unlock the source on the B&O system with the B&O remote control - you simply turn on the TV and the B&O speakers are turned on automatically.

The following applies: If both sources are active, INPUT 1 has priority!

## 8. Safety Instructions



Connect the device to the mains supply, via the supplied power cord. Do not repair damaged cables.

The operating voltage must match the local mains voltage.



Protect the device from humidity and moisture. Do not operate the device in the rain. The device may not be used near water, bathtubs, washbasins, kitchen sinks, wet rooms, swimming pools or damp rooms.

Do not place objects filled with liquids such as vases, jars, bottles, etc. on the device.

Avoid direct sunlight and placement near radiators, heaters or similar devices.



Condensation may form inside the device, if it is suddenly moved from a cold to a warm place. Wait until the device has reached room temperature, before turning it on.

The device should be unplugged, if it is unattended or not used for prolonged periods and to protect it during lightning storms. This will prevent damage to the device due to lightning and power surges in the mains.

**Improper use will void the warranty!**

Disclaimer:

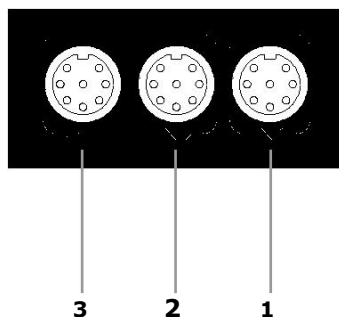
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## 9. Connections

Front



### 1 INPUT 1

8-pin DIN jack

- Pin 1 - Trigger ON/OFF
- Pin 2 - Ground
- Pin 3 - Input right
- Pin 4 - Input for trigger signal (5-15 V DC) to enable INPUT 1
- Pin 5 - Input left

### 2 INPUT 2 (Powerlink Input)

8-pin DIN jack

- Pin 2 - Ground
- Pin 3 - Input right
- Pin 4 - Powerlink mute circuit voltage (5 V DC)
- Pin 5 - Input left

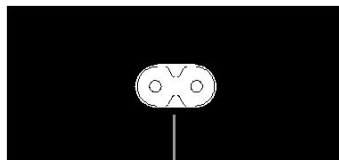
### 3 OUTPUT (Powerlink Output)

8-pin DIN jack

- Pin 2 - Ground
- Pin 3 - Output right
- Pin 4 - Powerlink mute circuit voltage (5 V DC)
- Pin 5 - Output left

## 10. Connections

Rear



4

### 4 Mains Connection

Connect the Euro-mains socket to the socket, with the included power cable. CAUTION: All other cables should already be connected!

Left  
side



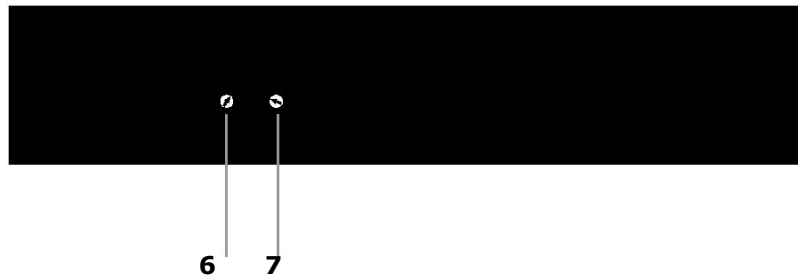
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### 5 POWER-LED

LED to indicate power supply

## 11. Connections

Right  
side



### Level Increase

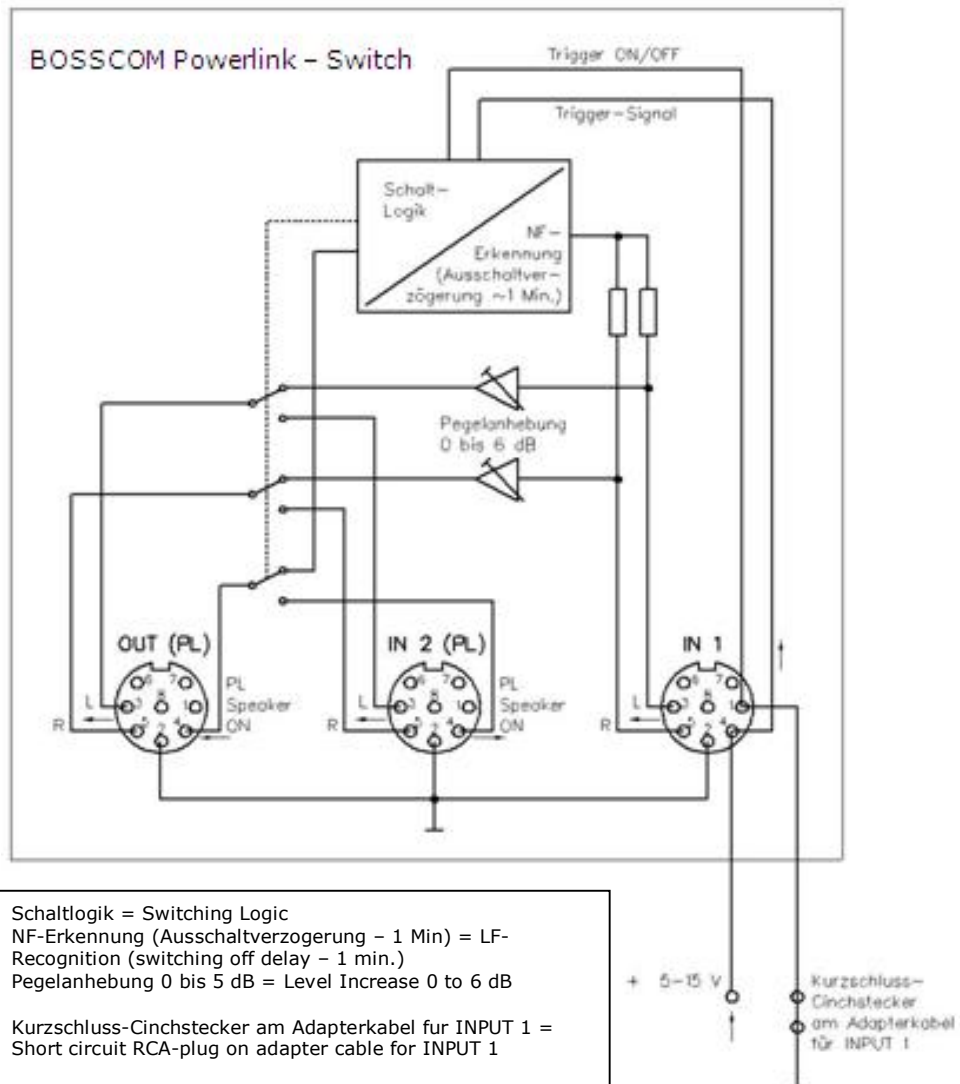
- 6** right channel
- 7** left channel

Signal amplification for devices with a reduced line-level, such as MP3 players like the Apple® iPod®, that are connected to INPUT 1, for adjusting the volume to the source INPUT 2. The right and left channel can be independently controlled.

Counter-clockwise (left) turning raises the level up to 6 dB - delivery condition is 0 dB (set fully clockwise).



## 12. Block Diagram



## 13. Technical Data

Powerlink Signals	INPUT 2 and OUTPUT are 100% B&O® compatible
Remote Power INPUT 1	ON/OFF via external contact voltage (5-15 V DC) to 8-pin DIN input jack "ON" as soon as a low-frequency signal is present "OFF" (Standby), when no low-frequency signal is received for at least 1 minute
Automatic Activation INPUT 1	
Level Increase INPUT 1]	Max. +6 DB to equalize the Volume to INPUT 2, separately adjustable for L and R
Inputs	INPUT 1   8-pin DIN INPUT 2   8-pin DIN (Powerlink)
Output	OUTPUT   8-pin DIN (Powerlink)
Power Supply	200-240V~ 50 Hz
Power Consumption	Stand by <1 Watt
Dimensions	171 x 72 x 34 mm (L x W x H)
Weight	0.3 kg
Color	black
Included Accessories	Adapter Cable for INPUT 1, Short-RCA plug for Trigger ON / OFF Power cable (Euro plug)
Warranty	2 years